



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Melissa Collin County Texas	NO PROJECT	REISSUANCE
	COMMUNITY NO.: 481626		
IDENTIFIER	Trails of Melissa Phase 2 (Re-Issuance of LOMR 07-06-0946P)	APPROXIMATE LATITUDE & LONGITUDE: 33.284, -96.551 SOURCE: USGS QUADRANGLE      DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*      NO.: 48085C0170 J      DATE: June 2, 2009		DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: June 2, 2009 PROFILE(S): 266P SUMMARY OF DISCHARGES TABLE: 3	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map; \*\* FBFM - Flood Boundary and Floodway Map; \*\*\* FHBM - Flood Hazard Boundary Map

### FLOODING SOURCE(S) & REVISED REACH(ES)

Clemons Creek - from approximately 120 feet downstream to approximately 620 feet upstream of FM 545

### SUMMARY OF REVISIONS

This Letter of Map Revision (LOMR) is a re-issuance of a LOMR that became effective August 23, 2007 (Case No. 07-06-0946P). The August 23 LOMR revised the Special Flood Hazard Areas (SFHAs), the areas subject to inundation by the base (1-percent-annual-chance) flood, and established BFEs\* along Clemons Creek. This LOMR reissues the August 23 LOMR, based on the new effective information and the vertical datum shown on the FIRM and Flood Insurance Study report for Collin County, Texas and Incorporated Areas, dated June 2, 2009. This LOMR does not revise the BFEs or SFHA boundaries along the revised reach, as defined in the August 23 LOMR. The profile was updated to reflect the new stream distances.

\* BFEs - Base Flood Elevations

### DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Michael J. McGinn, CFM, Program Specialist  
Engineering Management Branch  
Mitigation Directorate



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### COMMUNITY INFORMATION

#### APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the submitted hydrologic model for LOMR 07-06-0946P without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in blue ink, appearing to read "Michael J. McGinn".

Michael J. McGinn, CFM, Program Specialist  
Engineering Management Branch  
Mitigation Directorate



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Frank Pagano  
Director, Mitigation Division  
Federal Emergency Management Agency, Region VI  
Federal Regional Center, Room 206  
800 North Loop 288  
Denton, TX 76209  
(940) 898-5127

### STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

Although a portion of the project area is shown on the above-referenced FIRM panel to be within the unincorporated areas of Collin County, the City of Melissa has annexed this area. We have not reflected these corporate limits changes in this LOMR.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Michael J. McGinn, CFM, Program Specialist  
Engineering Management Branch  
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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**PUBLIC NOTIFICATION OF REVISION**

The revised BFEs along Clemons Creek, as presented in this LOMR, became effective on August 23, 2007, following a 90-day appeal period for Case No. 07-06-0946P. This LOMR updates the BFEs using the North American Vertical Datum of 1988, but it does not revise them from August 23 LOMR. Therefore, we will not republish a notification of BFE revisions in the newspaper. This revision is effective as of the date of this letter. Any requests to review or alter this determination should be made within 30 days and must be based on scientific or technical data.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in cursive script, reading "Michael J. McGinn".

Michael J. McGinn, CFM, Program Specialist  
Engineering Management Branch  
Mitigation Directorate

TABLE 3 - SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGE (cfs)			
		10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
BECK BRANCH					
At confluence with Rowlett Creek	4.12	5,300	7,500	8,400	10,700
At point approximately 0.4 mile above North Star Road	2.31	4,000	5,500	6,200	7,800
At a point approximately 500 feet above Shiloh Road	1.22	2,800	3,850	4,300	5,300
BOIS D'ARC CREEK					
At confluence with Sabine Creek*	28.5	13,455	20,930	24,250	33,000
At confluence with Sabine Creek**	11.1	6,200	9,310	10,640	14,100
Immediately downstream of Josephine Street	9.9	5,735	8,615	9,835	13,100
BOWMAN BRANCH					
At confluence with Brown Branch	1.54	2,200	3,100	3,500	4,900
At U.S. Route 75	0.94	1,400	1,900	2,500	4,000
BROWN BRANCH					
At confluence with Rowlett Creek	4.43	5,800	7,900	8,900	11,400
Above Bowman Branch	1.51	2,500	3,400	3,800	4,900
At U.S. Route 75	1.04	1,700	2,300	2,600	3,400
CAMP CREEK					
At upstream county boundary	12.1	6,020	8,430	9,530	11,360
CLARKS CREEK					
At confluence with Unnamed Tributary to Clarks Branch	3.6	***	***	5,200	***
CLEMONS CREEK					
Approximately 650 feet upstream of FM 545	3.43	***	***	5,240	***

↑  
**REVISED DATA**

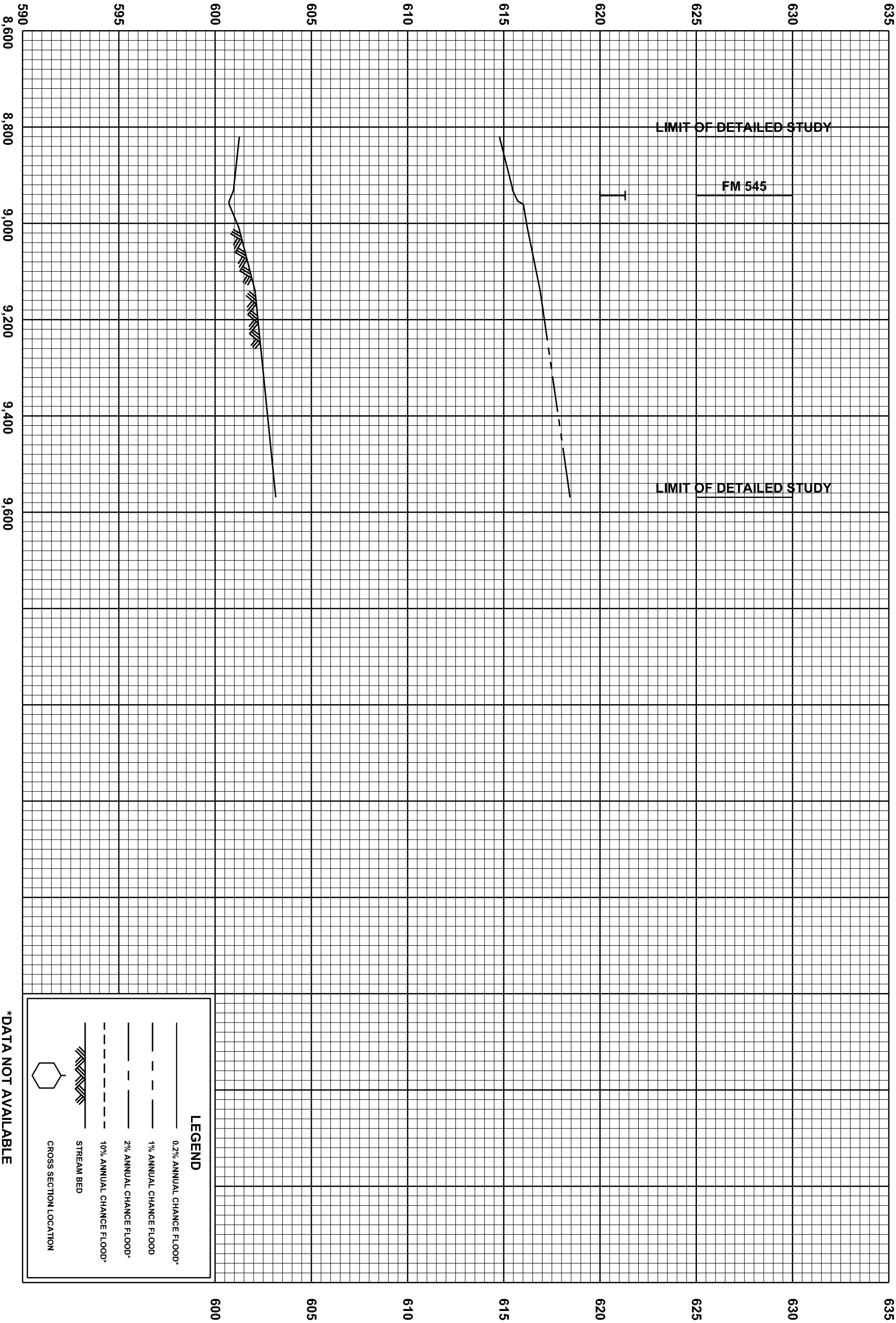
\*Confluence of Bois d'Arc Creek; due to existing hydraulic conditions and topography, coincident flows were used for the lower reach of Bois d'Arc Creek

\*\*Confluence of Bois d'Arc Creek with Sabine Creek; flow reflects actual Bois d'Arc Creek contribution

\*\*\*Data not available

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 17, 2009**

ELEVATION IN FEET (NAVD 88)



LEGEND

0.2% ANNUAL CHANCE FLOOD\*

1% ANNUAL CHANCE FLOOD

2% ANNUAL CHANCE FLOOD\*

10% ANNUAL CHANCE FLOOD\*

STREAM BED

CROSS SECTION LOCATION

\* DATA NOT AVAILABLE

STREAM DISTANCE IN FEET UPSTREAM OF COUNTY ROAD 340

266P

FEDERAL EMERGENCY MANAGEMENT AGENCY

COLLIN COUNTY, TX  
AND INCORPORATED AREAS

REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 17, 2009

FLOOD PROFILES  
CLEMONS CREEK

COLLIN COUNTY  
UNINCORPORATED AREAS  
480130

COLLIN COUNTY  
UNINCORPORATED AREAS  
480130

JOINS PANEL 0165

LIBERTY  
WAY  
NUGENT  
STREET  
LILLIAN  
DRIVE

CITY OF MELISSA  
481626

CITY OF MELISSA  
COLLIN COUNTY

EASTWOOD  
ROAD  
PRIVATE ROAD  
5047

COLLIN COUTNY  
CITY OF MELISSA

CITY OF MELISSA  
481626

BERRY  
HOLLOW  
DRIVE  
GRANDBERRY DRIVE  
BERRY  
RIDGE CT.

ZONE A

340

*Clemons Creek  
Tributary 2*

ASPEN  
WAY

ZONE A

LIMIT OF  
DETAILED STUDY

618  
618  
617  
616  
615  
615




ZONE AE  
**REVISED  
AREA**  
LIMIT OF  
DETAILED STUDY

ZONE X

*Clemons Creek*

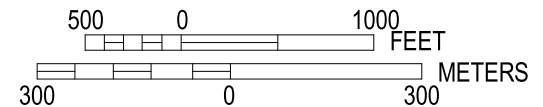
1217

### Legend

-  1% annual chance  
(100-Year) Floodplain
-  1% annual chance  
(100-Year) Floodway
-  0.2% annual chance  
(500-Year) Floodplain



MAP SCALE 1" = 1000'



NFIP

PANEL 0170J

## FIRM FLOOD INSURANCE RATE MAP

COLLIN COUNTY,  
TEXAS  
AND INCORPORATED AREAS

PANEL 170 OF 600

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)  
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COLLIN COUNTY	480130	0170	J
MCKINNEY, CITY OF	480135	0170	J
MELISSA, CITY OF	481626	0170	J

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 17, 2009**

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER  
48085C0170J

MAP REVISED  
JUNE 2, 2009

Federal Emergency Management Agency